

Patent Claims

1. Use of a trioxopyrimidine compound having an inhibitory activity against MMP-1, MMP-2, MMP-3, MMP-9 and MMP-14 defined as

5 a) an IC₅₀ value of less than 5 µM for MMP-2, MMP-9 and MMP-14 each;
b) a ratio of more than 100 for the IC₅₀ values of MMP-1:MMP-2, MMP-1:MMP-9, MMP-1:MMP-14; and
c) a ratio of more than 10 for the IC₅₀ values of MMP-3:MMP-2, MMP-3:MMP-9, MMP-3:MMP-14,

10 for the manufacturing of a medicament for the treatment of bronchial inflammatory diseases in a host mammal in need of such treatment.

2. Use according to claim 1, characterized in that said trioxopyrimidine compound is selected from the group consisting of

15 5-Biphenyl-4-yl-5-[4-(4-nitro-phenyl)-piperazin-1-yl]pyrimidine-2,4,6-trione
5-(4-Phenoxy-phenyl)-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
5-[4-(4-Chloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
20 5-[4-(3,4-Dichloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
5-[4-(4-Bromo-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione.

25 3. Use according to claim 1 or 2, characterized in that the trioxopyrimidine compound is complexed with a water-soluble cyclodextrin.

4. Use of a trioxopyrimidine compound having an inhibitory activity against MMP-1, MMP-2, MMP-3, MMP-9 and MMP-14 defined as

a) an IC₅₀ value of less than 5 µM for MMP-2, MMP-9 and MMP-14 each;

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- b) a ratio of more than 100 for the IC₅₀ values of MMP-1:MMP-2, MMP-1: MMP-9, MMP-1:MMP-14; and
- c) a ratio of more than 10 for the IC₅₀ values of MMP-3:MMP-2, MMP-3: MMP-9, MMP-3:MMP-14,

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for the treatment or prevention of bronchial inflammatory diseases in a host mammal in need of such treatment.

10 5. Use according to claim 3, characterized in that said trioxopyrimidine compound is selected from the group consisting of

15 5-Biphenyl-4-yl-5-[4-(4-nitro-phenyl)-piperazin-1-yl]pyrimidine-2,4,6-trione
5-(4-Phenoxy-phenyl)-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
5-[4-(4-Chloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
5-[4-(3,4-Dichloro-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione
5-[4-(4-Bromo-phenoxy)-phenyl]-5-(4-pyrimidin-2-yl-piperazin-1-yl)-pyrimidine-2,4,6-trione.

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6. Use according to claim 4 or 5, characterized in that the trioxopyrimidine compound is complexed with a water-soluble cyclodextrin.